Subpart C—Main and Auxiliary Machinery

§ 128.310 Fuel.

(a) Except as provided by paragraph (b) of this section, each internal-combustion engine installed on an OSV, whether for main propulsion or for auxiliaries, must be driven by a fuel having a flashpoint of not lower than 110 degrees F. as determined by ASTM D93.

(b) The use of a fuel with a flashpoint of lower than 110 degrees F. must be specifically approved by the Commandant (G–MSE), except in an engine for a gasoline-powered rescue boat.

[CGD 82-004, CGD 86-074, 60 FR 57649, Nov. 16, 1995, as amended by CGD 96-041, 61 FR 50731, Sept. 27, 1996]

§ 128.320 Exhaust systems.

No diesel-engine exhaust system need meet the material requirements in § 58.10–5(d)(1)(i) of this chapter if the installation is certified as required by § 128.220(c) of this part.

Subpart D—Design Requirements for Specific Systems

§ 128.410 Ship's service refrigeration systems.

No self-contained unit either for air-conditioning or for refrigerated spaces for ship's stores need comply with § 58.20–5, 58.20–10, 58.20–15, 58.20–20(a), or 58.20–20(b) of this chapter if—

(a) The unit uses a fluorocarbon refrigerant allowed by part 147 of this chapter;

(b) The manufacturer certifies that the unit is suitable for its intended purpose; and

(c) Electrical wiring meets the applicable requirements in subchapter J of this chapter.

[CGD 82-004, CGD 86-074, 60 FR 57649, Nov. 16, 1995; 61 FR 1035, Jan. 11, 1996]

§ 128.420 Keel-cooler installations.

(a) Except as provided by this section, each keel-cooler installation must comply with § 56.50–96 of this chapter.

(b) Approved metallic flexible connections may be located below the deepest-load waterline if the system is a closed loop below the waterline and if its vent is located above the waterline.

(c) Fillet welds may be used in the attachment of channels and half-round pipe sections to the bottom of the OSV.

(d) Short lengths of approved nonmetallic flexible hose fixed by metallic hose-clamps may be used at machinery connections if—

(1) The clamps are of a corrosion-resistant material;

(2) The clamps do not depend on spring tension for their holding power; and

(3) Two of the clamps are used on each end of the hose, except that one clamp may be used on an end expanded or beaded to provide a positive stop against hose slippage.

§ 128.430 Grid-cooler installations.

(a) Each hull penetration for a grid-cooler installation must be made through a cofferdam or at a seachest and must be provided with isolation valves fitted as close to the sea inlet as possible.

(b) Each grid cooler must be protected against damage from debris and grounding by protective guards or by recessing the cooler into the hull.

§ 128.440 Bilge systems.

(a) Except as provided by this section, each bilge system must comply with §§ 56.50–50 and 56.50–55 of this chapter.

(b) If the steering room, engine room, centerline passageway, forward machinery space, and compartment containing the dry-mud tanks are the only below-deck spaces that must be fitted with bilge suctions, the OSV may be equipped to the standards of §§ 56.50–50 and 56.50–55 of this chapter applicable to a dry-cargo vessel of less than 180 feet in length.

§ 128.450 Liquid-mud systems.

(a) Liquid-mud systems of piping may use resiliently seated valves of category A to comply with §§ 56.20–15 and 56.50–60 of this chapter.

(b) Tanks for oil-based liquid mud must be fitted with tank vents equipped with flame screens. Vents must not discharge to the interior of the OSV.

PART 129—ELECTRICAL INSTALLATIONS

Subpart A—General Provisions

Subpart B—General Requirements

Subpart C—Power Sources and Distribution Systems

Subpart D—Lighting Systems

Subpart E—Miscellaneous Electrical Systems

AUTHORITY: 46 U.S.C. 3306; 49 CFR 1.46.

SOURCE: CGD 82-004, CGD 86-074, 60 FR 57650, Nov. 16, 1995, unless otherwise noted.

Subpart A—General Provisions

§ 129.100 General.

This part contains requirements for the design, construction, and installation of electrical equipment and systems including power sources, lighting, motors, miscellaneous equipment, and safety systems.

§ 129.110 Applicability.

(a) Except as specifically provided in this part, electrical installations on OSVs of 100 or more gross tons must comply with subchapter J of this chapter.

(b) Electrical installations on OSVs of less than 100 gross tons must meet the—

(1) Requirements of paragraph (a) of this section for vessels of 100 or more gross tons; or

(2) Applicable requirements of this part.

§ 129.120 Alternative standards.

(a) An OSV of 65 feet in length or less may meet the following requirements of the American Yacht and Boat Council Projects, where applicable, instead of § 129.340 of this part:

(1) E–1, Bonding of Direct Current Systems.

(2) E–8, AC Electrical System on Boats.

(3) E–9, DC Electrical Systems on Boats.

(b) An OSV with an electrical installation operating at a potential of less than 50 volts may comply with § 183.430 of this chapter instead of § 129.340 of this part.

Subpart B—General Requirements

§ 129.200 Design, installation, and maintenance.

Electrical equipment on an OSV must be designed, installed, and maintained to—

(a) Provide services necessary for safety under normal and emergency conditions;

(b) Protect crew members, offshore workers, and the OSV from electrical hazards, including fire, caused by or originating in electrical equipment and electrical shock;